

## List of Reference Numerals

101	Input resistor $R_{sense}$
102	Power supply port
103	charging switch
104	Control unit
105	Charging capacitor $C_{out}$
106	Ground
107	Battery connection port
108	Battery
109	Current reference value
110	Voltage reference value
111	Switched current $I_1$
112	Charging current $I_2$
113	Charging voltage
114	Input voltage $V_{in}$
201	Battery resistor $R_{batt}$
202	Transistor voltage drop $V_{CE}$
203	Charging capacitor current $I_3$
204	Secondary charging current $I_4$
205	Transistor
206	Battery voltage $V_{Batt}$
301	Power dissipated by the transistor
302	Power dissipated by the input resistor
303	Total power dissipated

401	ON-time
402	Output voltage during ON-time
403	Output voltage during OFF-time
404	Minimum output voltage
405	Average output voltage
406	Maximum output voltage
407	OFF time
501	Instantaneous current
502	Average current
503	Transistor voltage drop
504	Duty ratio